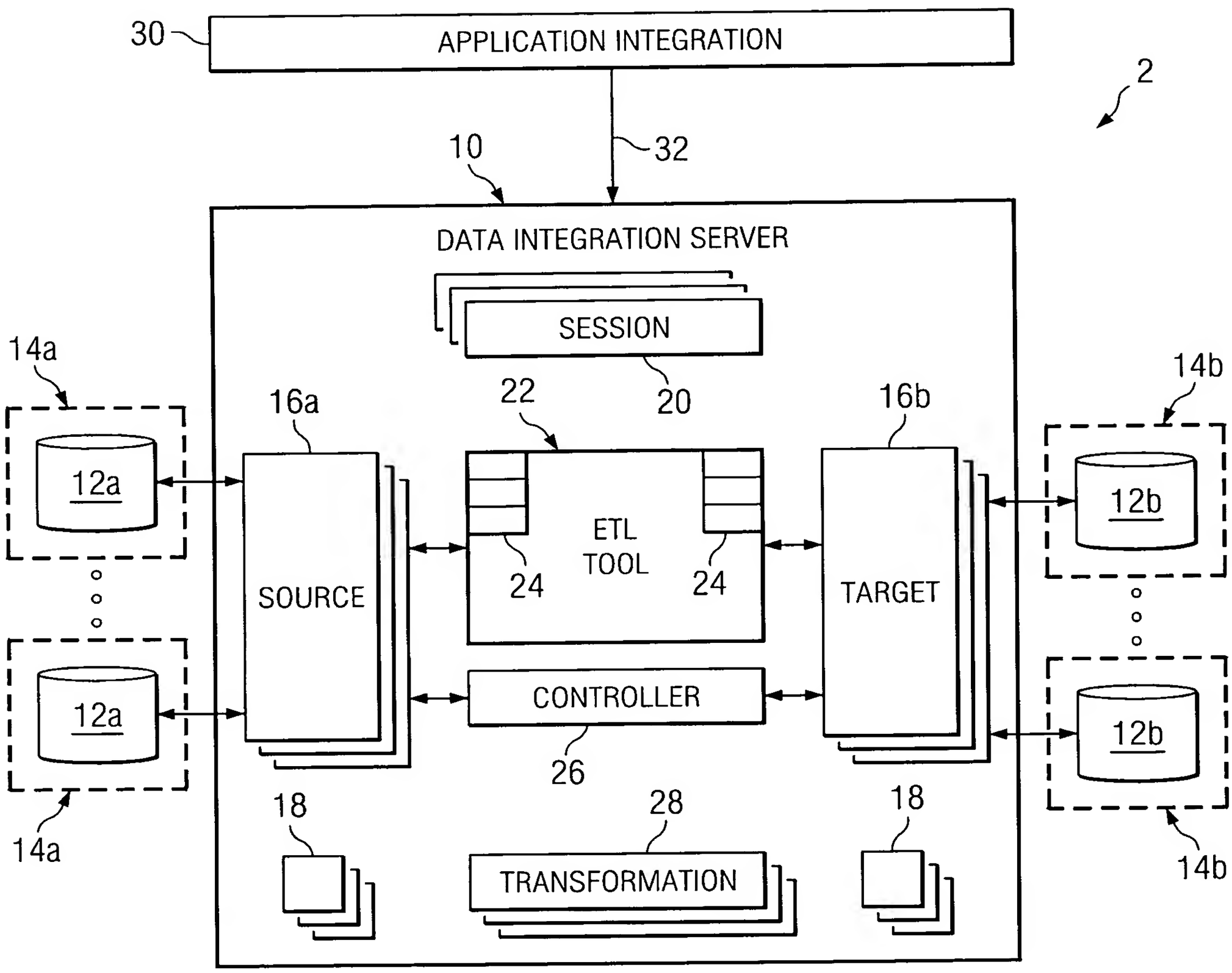
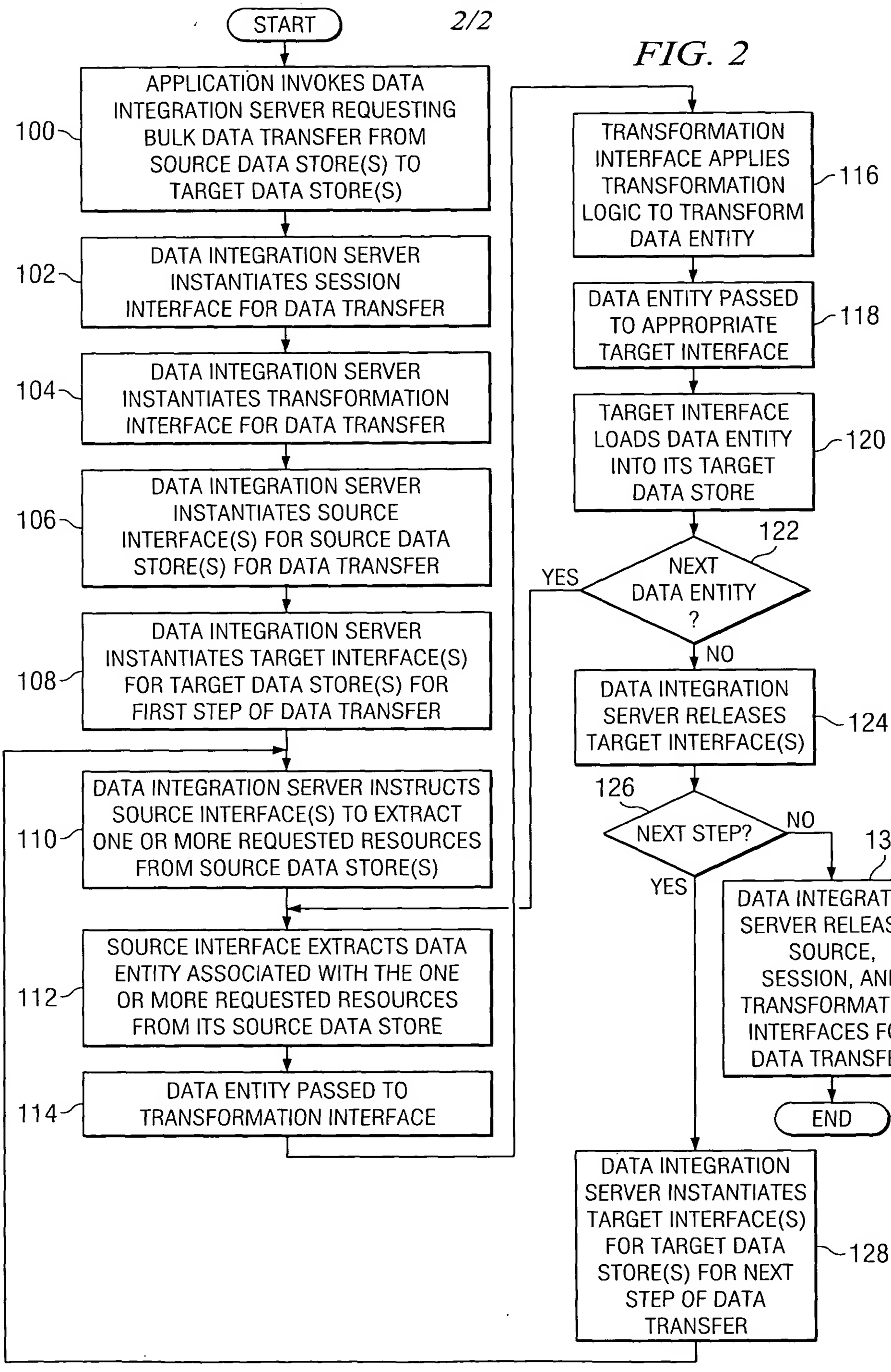
FIG. 1


30
APPLICATION INTEGRATION
2
10
32
DATA INTEGRATION SERVER
SESSION
20
14a
16a
22
16b
14b
12a
SOURCE
ETL
TOOL
24
24
TARGET
12b
12a
CONTROLLER
12b
26
18
28
18
14a
TRANSFORMATION
14b

2/2

FIG. 2


START
100
APPLICATION INVOKES DATA INTEGRATION SERVER REQUESTING BULK DATA TRANSFER FROM SOURCE DATA STORE(S) TO TARGET DATA STORE(S)
102
DATA INTEGRATION SERVER INSTANTIATES SESSION INTERFACE FOR DATA TRANSFER
104
DATA INTEGRATION SERVER INSTANTIATES TRANSFORMATION INTERFACE FOR DATA TRANSFER
106
DATA INTEGRATION SERVER INSTANTIATES SOURCE INTERFACE(S) FOR SOURCE DATA STORE(S) FOR DATA TRANSFER
108
DATA INTEGRATION SERVER INSTANTIATES TARGET INTERFACE(S) FOR TARGET DATA STORE(S) FOR FIRST STEP OF DATA TRANSFER
110
DATA INTEGRATION SERVER INSTRUCTS SOURCE INTERFACE(S) TO EXTRACT ONE OR MORE REQUESTED RESOURCES FROM SOURCE DATA STORE(S)
112
SOURCE INTERFACE EXTRACTS DATA ENTITY ASSOCIATED WITH THE ONE OR MORE REQUESTED RESOURCES FROM ITS SOURCE DATA STORE
114
DATA ENTITY PASSED TO TRANSFORMATION INTERFACE
116
TRANSFORMATION INTERFACE APPLIES TRANSFORMATION LOGIC TO TRANSFORM DATA ENTITY
118
DATA ENTITY PASSED TO APPROPRIATE TARGET INTERFACE
120
TARGET INTERFACE LOADS DATA ENTITY INTO ITS TARGET DATA STORE
122
NEXT DATA ENTITY ?
YES
NO
124
DATA INTEGRATION SERVER RELEASES TARGET INTERFACE(S)
126
NEXT STEP?
NO
YES
130
DATA INTEGRATION SERVER RELEASES SOURCE, SESSION, AND TRANSFORMATION INTERFACES FOR DATA TRANSFER
END
128
DATA INTEGRATION SERVER INSTANTIATES TARGET INTERFACE(S) FOR TARGET DATA STORE(S) FOR NEXT STEP OF DATA TRANSFER